Testing in React 18

Detecting Regressions with Snapshot Testing



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Snapshot Testing

Before

```
test('snapshot a date', () => {
  const favoriteDate = new Date(Date.UTC(2000,0,1));
  expect(favoriteDate.toISOString())
    .toMatchInlineSnapshot();
});
```

After

```
test('snapshot a date', () => {
  const favoriteDate = new Date(Date.UTC(2000,0,1));
  expect(favoriteDate.toISOString())
    .toMatchInlineSnapshot(`"2000-01-01T00:00:00.000Z"`);
});
```



Snapshot Testing

snapshot.test.tsx

```
test('snapshot a date', () => {
  const favoriteDate = new Date(Date.UTC(2000,0,1));
  expect(favoriteDate.toISOString())
    .toMatchSnapshot();
});
```

snapshot.test.tsx.snap

```
exports[`snapshot a date (external) 1`] = `"2000-01-01T00:00:00.000Z"`;
```



Snapshot Testing a React Component

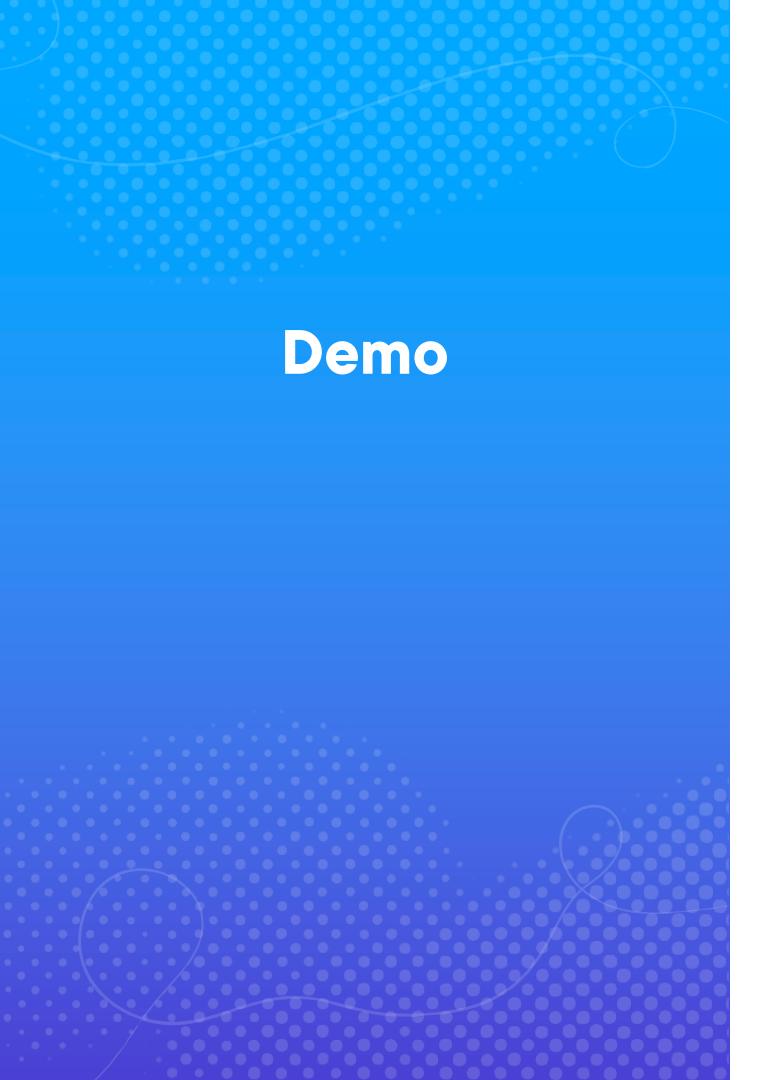
snapshot.test.tsx

```
import renderer from 'react-test-renderer';
import FilterList from '../components/FilterList';
import {planets, defaultProps} from './FilterList.rendering.test';

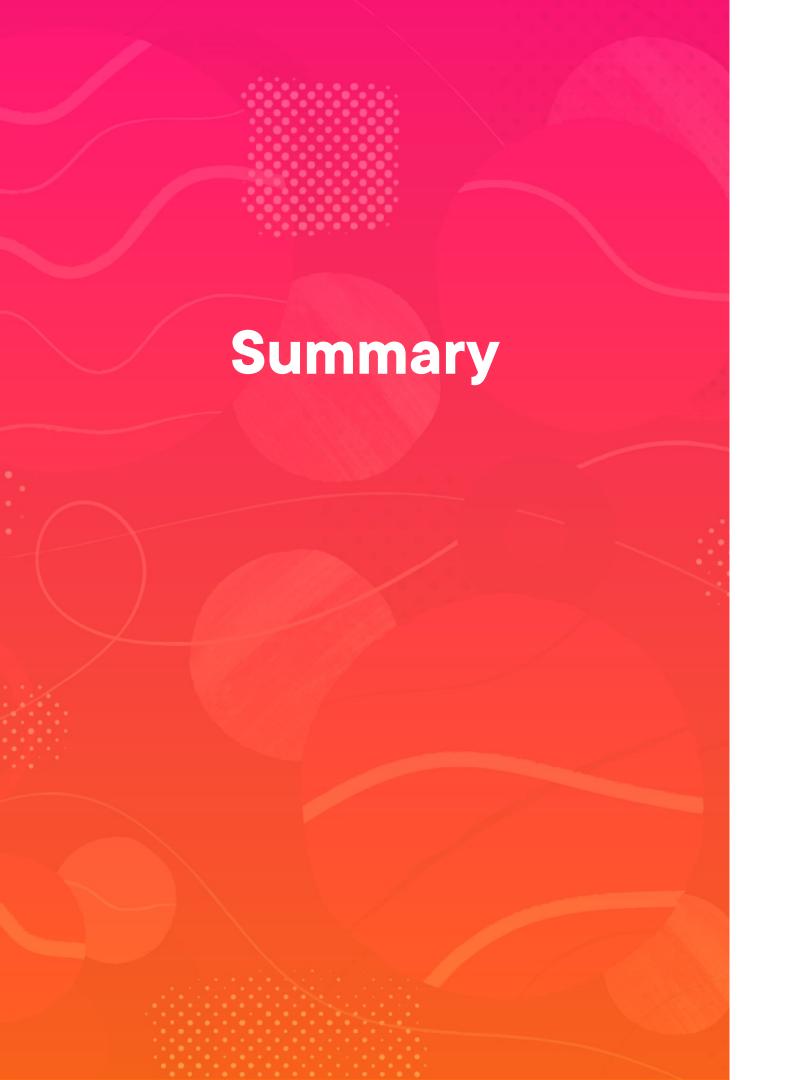
test('snapshot a React component', () => {
    const tree = renderer
    .create(<FilterList items={planets} {...defaultProps} />)
    .toJSON();
    expect(tree).toMatchInlineSnapshot();
```

snapshot.test.tsx.snap





Snapshot testing



Snapshot tests complement traditional automated tests

